



NITFS

Compliance Registration



**Product: CRSS POC and ROC H/W Architecture
employing CIPCSC software version 4.2.82**

Sponsor: GeoEye

**Date: 30 March 2010
Expiration 29 March 2012
Registration #: 1048**

Developer Raytheon

System **Product** **Component**
N-0105, §4.1.1 N-0105, §4.1.2 N-0105, §4.1.3

- Initial Registration
- Supplemental/Update # [126](#)
- Derived from Reg. #

Complexity Level						
NITF 2.1 CLEVEL						
	3	5	6	7		
Interpret						
General						

NITF 2.0 CLEVEL						
1	2	3	4	5	6	Oth
Interpret						
General						

Configurations Tested:

- SGI (IRIX and LINUX)
- CIPCSC software version 4.2.82

Format
NITF

- 2.1
- 2.0
- 1.1
- 1.0

Pixel Value Types

- Boolean
- Integer
- Signed Integer *
- IEEE Real *
- IEEE Complex *

Annotation Segment Types

- Bit Mapped **
- CGM, 2301
- CGM, 2301A
- Labels **

Text Segments

- STA
- UT1
- U8S
- MTF

NITFS Features Implemented:

Image Segment Types

- MONO
- RGB
- RGB/LUT
- YCbCr
- MULTI
- NODISPLY
- POLAR
- No Mask
- Mask

Image Compression

- No compression
- JPEG Lossy, 8-bit
- JPEG Lossy, 12-bit
- JPEG Downsample
- JPEG Lossless
- JPEG 2000
- Code Stream w/o JP2
- Code Stream w/JP2
- 1 Band
- 3 Band RGB
- 1 Band RGB/LUT
- Multiband
- Bi-Level
- Vector Quantization

Data Extension Segments

- TRE_OVERFLOW
- STREAMING_FILE_HEADER
- Controlled Extensions
- Registered Extensions
- CSATTA
- CSSHPA

Tagged Record Extensions

- CSCCGA
- CSCRNA
- CSDIDA
- CSEXRA
- CSPROA
- CSSFAA
- GEOLOB
- GEOPSB
- STREOB
- CSEPHA
- HISTOA
- J2KLRA
- MAPLOB
- NBLOCA
- PIAIMC
- PRJPSB
- RPC00B
- STDIDC
- USE00A

Bit-Per-Pixel

- 1
- 8
- 9-16
- 16
- 17-32
- 32
- 33-64
- 64

Legend

- ** NITF 2.0 only feature
- * NITF 2.1 only feature
- Fully implemented
- Partially implemented
- Not implemented

Interpret
General

VALERIE BAKER, Lt Col, USAF, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.
Potential users should evaluate the detailed test results to determine the suitability
of a product for the intended use. Optional NITFS features may not be implemented.